

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>P 200018</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP 02/07010</b>	International filing date (day/month/year) <b>25/06/2002</b>	(Earliest) Priority Date (day/month/year)
Applicant <b>BOREALIS TECHNOLOGY OY</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

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☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/07010

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F210/16 C08F210/06 C08F297/08 C08L23/10 C08F2/00  
C08F2/14 C08F2/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 517 183 A (MONTECATINI TECNOLOGIE SRL ; HIMONT INC (US)) 9 December 1992 (1992-12-09) page 2, line 57 -page 3, line 2; claims; examples 1-3 ---	1-13
X	EP 0 887 380 A (BOREALIS AS) 30 December 1998 (1998-12-30) claims; example 3 ---	1-9
X	WO 98 58976 A (BOREALIS AS ; KIVELAE JOUNI (FI); AALTONEN PAEIVI (FI); ALASTALO KA) 30 December 1998 (1998-12-30) claims; examples 2,4,11 ---	1-9
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

10 February 2003

Date of mailing of the international search report

20/02/2003

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/07010

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 59002 A (BOREALIS AS ;MALM BO (FI); KAUNO ALASTALO (FI); PITKANEN PAIVI (FI) 30 December 1998 (1998-12-30) claims; examples 10,12,13 -----	1-9
X	WO 95 22565 A (SPHERILENE SRL ;HIMONT INC (US); GOVONI GABRIELE (IT); RINALDI ROB) 24 August 1995 (1995-08-24) claims; example 3 -----	1-9
A	WO 96 18662 A (BOREALIS POLYMERS OY) 20 June 1996 (1996-06-20) page 12, line 13 - line 16; claims -----	1-13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/07010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0517183	A	09-12-1992	IT 1246614 B	24-11-1994
			AT 141094 T	15-08-1996
			AU 653829 B2	13-10-1994
			AU 1917792 A	08-01-1993
			BR 9205273 A	20-07-1993
			CA 2088681 A1	04-12-1992
			CN 1069034 A ,B	17-02-1993
			CZ 9203960 A3	16-06-1993
			CZ 289004 B6	17-10-2001
			DE 69212633 D1	12-09-1996
			DE 69212633 T2	20-02-1997
			DK 541760 T3	02-09-1996
			WO 9221706 A1	10-12-1992
			EP 0517183 A2	09-12-1992
			EP 0541760 A1	19-05-1993
			ES 2090646 T3	16-10-1996
			FI 930151 A	14-01-1993
			GR 3020753 T3	30-11-1996
			HU 66659 A2	28-12-1994
			IL 102074 A	24-01-1995
			JP 3190041 B2	16-07-2001
			JP 6503123 T	07-04-1994
			KR 218863 B1	01-09-1999
			MX 9202633 A1	01-12-1992
			NO 930363 A ,B,	02-02-1993
			PL 297841 A1	13-12-1993
			RU 2114125 C1	27-06-1998
			US 6228956 B1	08-05-2001
			ZA 9203985 A	24-02-1993
EP 0887380	A	30-12-1998	FI 972727 A	25-12-1998
			AU 7921198 A	04-01-1999
			AU 8121198 A	04-01-1999
			BR 9810290 A	19-09-2000
			CN 1261390 T	26-07-2000
			CN 1267311 T	20-09-2000
			EP 0887380 A1	30-12-1998
			EP 0991719 A1	12-04-2000
			WO 9858976 A1	30-12-1998
			WO 9859002 A1	30-12-1998
			JP 2002504954 T	12-02-2002
			JP 2002508013 T	12-03-2002
			US 6342564 B1	29-01-2002
WO 9858976	A	30-12-1998	FI 972727 A	25-12-1998
			FI 972728 A	25-12-1998
			AU 7921198 A	04-01-1999
			AU 8121198 A	04-01-1999
			BR 9810290 A	19-09-2000
			CN 1261390 T	26-07-2000
			CN 1267311 T	20-09-2000
			EP 0887380 A1	30-12-1998
			EP 0991719 A1	12-04-2000
			WO 9858976 A1	30-12-1998
			WO 9859002 A1	30-12-1998
			JP 2002504954 T	12-02-2002
			JP 2002508013 T	12-03-2002
			US 6342564 B1	29-01-2002

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/07010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9858976	A	EP 0887381 A1	30-12-1998
WO 9859002	A	30-12-1998	
		FI 972714 A	25-12-1998
		FI 972726 A	25-12-1998
		FI 972727 A	25-12-1998
		FI 972729 A	25-12-1998
		AU 726669 B2	16-11-2000
		AU 7921398 A	04-01-1999
		AU 8121198 A	04-01-1999
		BR 9810290 A	19-09-2000
		BR 9810625 A	25-07-2000
		CN 1261390 T	26-07-2000
		CN 1267310 T	20-09-2000
		EP 0991679 A1	12-04-2000
		EP 0991719 A1	12-04-2000
		WO 9858971 A1	30-12-1998
		WO 9859002 A1	30-12-1998
		JP 2002504956 T	12-02-2002
		JP 2002508013 T	12-03-2002
		US 2002082376 A1	27-06-2002
		US 6365682 B1	02-04-2002
		US 6342564 B1	29-01-2002
		ZA 9805489 A	20-01-1999
		AU 726554 B2	09-11-2000
		AU 7921098 A	04-01-1999
		BR 9810934 A	20-11-2001
		CN 1268959 T	04-10-2000
		EA 2782 B1	29-08-2002
		EP 0887379 A1	30-12-1998
		WO 9858975 A1	30-12-1998
		JP 2002504953 T	12-02-2002
		NZ 502014 A	26-04-2002
		PL 337714 A1	28-08-2000
		TW 418214 B	11-01-2001
		US 6455643 B1	24-09-2002
		ZA 9805490 A	20-01-1999
		AU 7921198 A	04-01-1999
		CN 1267311 T	20-09-2000
		EP 0887380 A1	30-12-1998
		WO 9858976 A1	30-12-1998
		JP 2002504954 T	12-02-2002
		AU 7921298 A	04-01-1999
		CN 1268146 T	27-09-2000
		EP 0991684 A1	12-04-2000
		WO 9858977 A1	30-12-1998
		JP 2002504955 T	12-02-2002
		US 6469110 B1	22-10-2002
WO 9522565	A	24-08-1995	
		IT 1274016 B	14-07-1997
		AT 162807 T	15-02-1998
		AU 684140 B2	04-12-1997
		AU 1757395 A	04-09-1995
		BR 9505777 A	27-02-1996
		CA 2160876 A1	24-08-1995
		CN 1126478 A ,B	10-07-1996
		CZ 9503066 A3	12-06-1996
		DE 69501526 D1	05-03-1998
		DE 69501526 T2	20-08-1998

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/07010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9522565	A	DK 695313 T3	02-03-1998
		EG 21081 A	31-10-2000
		WO 9522565 A1	24-08-1995
		EP 0695313 A1	07-02-1996
		ES 2113736 T3	01-05-1998
		FI 954939 A	13-12-1995
		HU 73869 A2	28-10-1996
		IL 112690 A	22-09-1999
		JP 9501733 T	18-02-1997
		NO 954202 A	20-10-1995
		PL 311224 A1	05-02-1996
		RO 115166 B1	30-11-1999
		RU 2142471 C1	10-12-1999
		SK 144395 A3	05-02-1997
		TR 28465 A	04-07-1996
		US 5610244 A	11-03-1997
		ZA 9501296 A	05-12-1995
WO 9618662	A	FI 96216 B	15-02-1996
	20-06-1996	AT 177437 T	15-03-1999
		AU 706963 B2	01-07-1999
		AU 4118396 A	03-07-1996
		BR 9510034 A	28-10-1997
		CA 2207910 A1	20-06-1996
		CN 1173187 A ,B	11-02-1998
		CZ 9701840 A3	12-11-1997
		DE 69508277 D1	15-04-1999
		DE 69508277 T2	09-09-1999
		EP 0797599 A1	01-10-1997
		ES 2129878 T3	16-06-1999
		WO 9618662 A1	20-06-1996
		GR 3029896 T3	30-07-1999
		IL 116315 A	17-08-1999
		JP 10510570 T	13-10-1998
		RU 2161625 C2	10-01-2001
		US 5684097 A	04-11-1997
		ZA 9510501 A	19-06-1996